



ROCOL®

# Lubrication

*How it can affect your food safety*



Performance you can trust

# Agenda

- ROCOL Introduction
- HACCP
- General Control measures
  - NSF, Allergen Statement
- ROCOL Safety Development
  - NSF, ISO 21469, NSF 3H,
  - DETEX, BRC, Halal-Kosher
- Preparation for Audits
- ROCOLcare®, Audit Compliance
  - Rationalisation, Performance
- DETEX®
- Questions

**ROCOL®**

**FOODLUBE®**

**NSF®**

Performance you can trust

Founded 1878

Joined ITW 1999

Swillington, Leeds, UK

4 Hectares

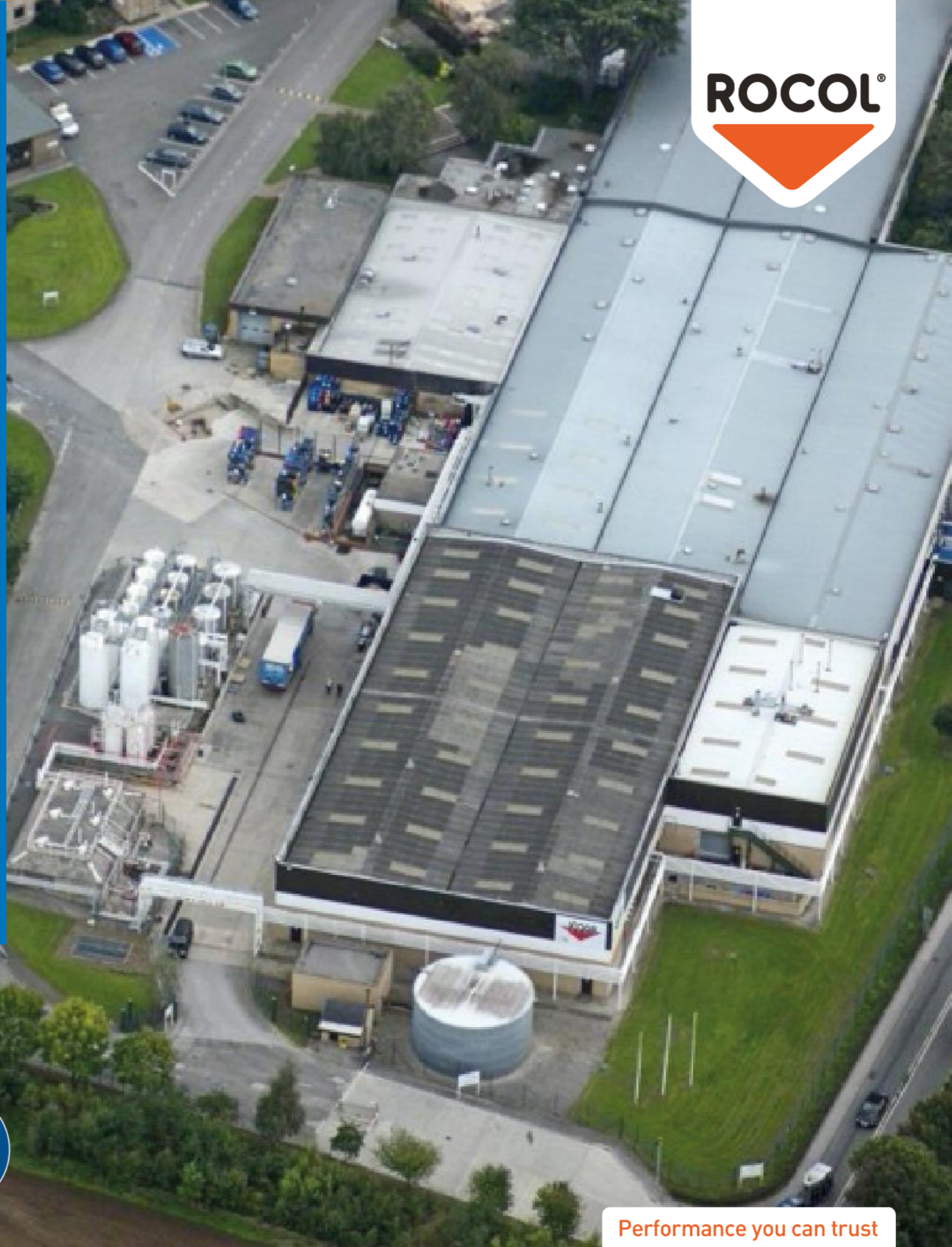
Manufacture

- ✓ Fluids/oils
- ✓ Greases
- ✓ Aerosols
- ✓ Paints

Office/Labs

Manufacturing

ISO 21469



**FOODLUBE®**



Performance you can trust

- **Hazard analysis and critical control points** or **HACCP** is a systematic preventive approach to [food safety](#) from [biological](#), [chemical](#), and physical hazards in production processes that can cause the finished product to be unsafe, and designs measurements to reduce these risks to a safe level. **In this manner, HACCP is referred as the prevention of hazards rather than finished product inspection**



**Lubrication-Lubricants act as a Potential Hazard.**

# NSF

---

## How is a non-toxic lubricant made?

- Use only FDA listed ingredients
  - US Food and Drug Administration section
    - Lubricants - FDA Group From the correct 21 CFR 178.3570
  - Up to the maximum stated percentage
- On its own this is not enough
- So what else can we do?...

# FOODLUBE®

# NSF®



Performance you can trust

# NSF

---

## Submit each product for NSF registration

- NSF check recipes and product labels, then put products into categories if they comply:
  - **NSF H1** – Lubricants, General, incidental contact in and around food processing areas
  - **NSF H2** – Lubricants, General, no possible food contact, in and around food processing areas
  - **NSF 3H** – This products is acceptable for use as Release Agent
  - **NSF A1** – General Cleaners ...in and around food processing areas
  - **NSF K1** – Solvent Cleaners, to be used in non food processing area
  - **NSF K2** – Solvent Cleaners, Electronic instruments in and around processing.

# FOODLUBE®

# NSF®

# ROCOL®

Performance you can trust

# HACCP Lubricants



**Present**

Above Manufacturing Line

**Past**



NSF H1



NSF H1

NSF H2

Below Manufacturing Line

**FOODLUBE<sup>®</sup>**



Performance you can trust

# NSF- Honours system



## NSF ISO 21469



ISO 21469 Certified

- Auditors now asking for proof of lubricant GMP
- Annual NSF audit of lubricant manufacturing plant
  - Clean and hygienic environment
  - Clean and hygienic manufacturing practices
  - Use of dedicated vessels and manufacturing areas
  - Protection from cross contamination.

**FOODLUBE<sup>®</sup>**



Performance you can trust



# Prevention Allergen Statement

ROCOL also comply with allergen requirements

Our NSF registered products do not contain:

- Animal fats & animal derived materials
- Nut oils or nut oil derived materials
- Soya, dairy or gluten derived materials
- Shellfish, crabs, molluscs
- Lupins
- Celery and celeriac
- Genetically modified ingredients etc.

ROCOL®

FOODLUBE®

NSF®

Performance you can trust

# ROCOL Food Safety



2017

2015

2014

2010

2003-2004

1998



*USDA*



**PUROL**  
(NSF 3H)

**FOODLUBE<sup>®</sup>**  
(NSF H1)

# FOODLUBE<sup>®</sup>



Performance you can trust



ROCOL®

# Preparation for Audits- Lubricants Related

All lubricants used in the site must have:

- TDS
- SDS
- Allergen Statements...

**FOODLUBE®**

**NSF®**

Performance you can trust

# ROCOLcare<sup>®</sup> Audit Compliance

- Audit to the site recommend products to be used in each application
- Evaluate storages and lubrication methods
- Recommend Best Practices

In one bounded folder submit:

- All lubrication points
- TDS lubricant used
- SDS
- Allergen Statement
- Storage guidelines
- NSF guidelines

**Product Rationalisation.**

**ROCOL<sup>®</sup>**

**FOODLUBE<sup>®</sup>**

**NSF**

Performance you can trust



**ROCOL®**

## **ROCOLcare®, Product Rationalisation**

- Reduce the number of lubricants that are used
- Minimize the possibility of misuse
- Stock reduction

## **Performance**

- Product Performance
- Rocol products are designed to cover as many applications as technically possible.

**FOODLUBE®**

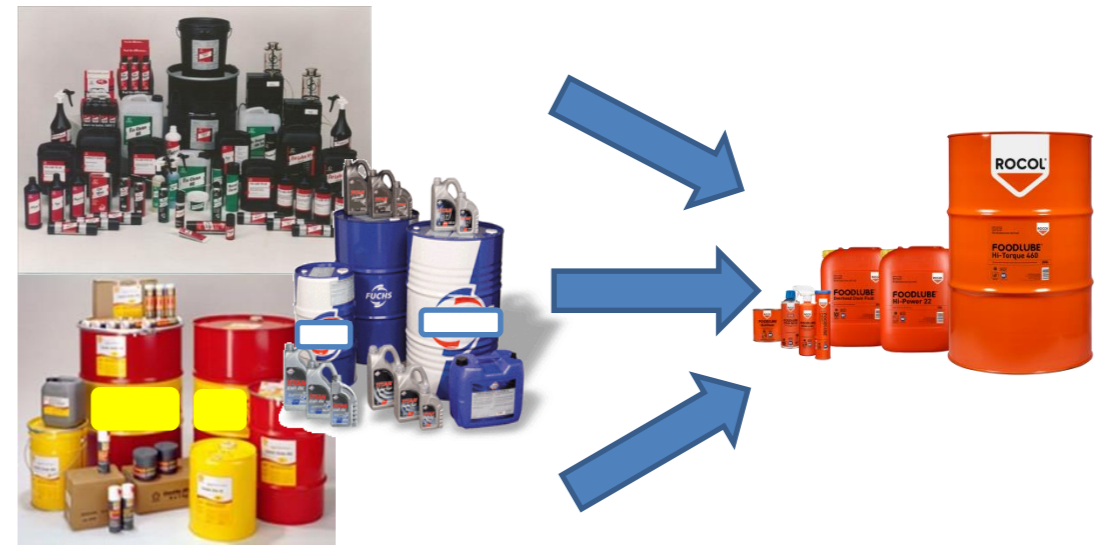
**NSF®**

Performance you can trust

# ROCOLcare® Examples



Before



After



What Else?

FOODLUBE®





# DETEX<sup>®</sup>

X-ray & Metal Detectable Plastic Components

FOODLUBE<sup>®</sup>



Performance you can trust

# DETEX<sup>®</sup> | TECHNOLOGY

ROCOL<sup>®</sup>

## Reduced risk of food product contamination due to plastic contamination

*According to the 2011 GMA sponsored survey capturing recall costs:*

- 58% Of respondents had been affected by product recalls in the last 5 years
- 77% Of respondents estimated the financial impact of the recall to be up to **\$30 million dollars**; 23% reported even higher costs.

FOODLUBE<sup>®</sup>



Performance you can trust



# DETEX<sup>®</sup> Metal Detectable Plastic



**FOODLUBE<sup>®</sup>**



Performance you can trust



**ROCOL®**

**Thank you  
Questions...**

**FOODLUBE®**

**NSF®**

Performance you can trust